



Thermal and acoustic insulation for roller shutter casings: BOSIG GmbH uses Basotect® in Rolaflex® system

Case Study

All wrapped up

In order to retrofit roller shutter casings with thermal and acoustic insulation, BOSIG GmbH, Germany, has turned to BASF's Basotect®. This lightweight, flame-retardant foam is used in the Rolaflex® system, which simply and cost-effectively provides built-in or walled-in roller shutter casings with energy efficient thermal and acoustic insulation. Thus, Basotect® is making a contribution towards meeting the standards for passive and low-energy houses. Home owners can lower their heating costs, reduce CO₂ emissions and increase the value of their homes.

Preventing thermal bridges

The gray, specially coated Basotect® strips have a thermal conductivity of $< 0.035 \text{ W/m}\cdot\text{K}$, so they reliably prevent so-called thermal bridges, in other words, heat losses that can occur when roller shutter casings are inadequately insulated. This measure also improves the living climate, eliminates drafts and reduces sound transmission. Moreover, it prevents mold growth on the walls due to condensation brought about by wide fluctuations in temperature.

Rolaflex® is quick and easy to apply: the roller shutter casings are lined with one or more layers of Basotect® and the strips are fastened with a pasty, solvent-free adhesive. It is not necessary to replace the windows or roller shutter casings, the system can be flexibly adapted to all kinds of roller shutter systems.

